

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001773

A. CLASSIFICATION OF SUBJECT MATTER		
IPC' C08L 53/02, C08L 23/16, C08L 23/22, F42B 12/72, B29C 43/00, B29C 45/00 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC' C08L 53/02, C08L 23/16, C08L 23/22, F42B 12/72, B29C 43/00, B29C 45/00		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) DELPHION, STN REGISTRY, CAPLUS thermoplastic elastomer, TPE, block copolymer, Kraton, ammunition, heavy weight filler, bismuth, copper, iron, tungsten, creep		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
Y	KIM, JEONG H. et al, Improvement in the mechanical properties of multicomponent polymer blends using dual compatibilizers , Polymer Science and Engineering 2001, Vol.85, pages 346-347 ISSN 0743-0515 the whole document	1 - 33
Y	EP 641836 A2 (GARDNER, JOHN C. et al) 8 March 1995 (1995-03-08) the whole document	1 - 33
Y	WO 01/42343 A1 (FRAUNHOFER GES.) 14 June 2001 (2001-06-14) the whole document	1 - 33
Y	WO 02/085953 A2 (BRIDGESTONE/FIRESTONE NORTH AMERICAN TIRE, LLC) 31 October 2002 (2002-10-31) the whole document	1 - 33
Y	EP 1067164 A1 (SAINT-GOBAIN PERFORMANCE PLASTICS CORP.) 10 January 2001 (2001-01-10) the whole document	1 - 33
[] Further documents are listed in the continuation of Box C.		[X] See patent family annex.
<ul style="list-style-type: none"> * Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 		<ul style="list-style-type: none"> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
Date of the actual completion of the international search 11 March 2005 (11-03-2005)	Date of mailing of the international search report 22 April 2005 (22-04-2005)	
Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476	Authorized officer Tony F. Neppel (819) 997-2890	

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Information on patent family members

International application No. PCT/CA2004/001773

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
EP641836	08-03-1995	AU684093 B2 AU7166794 A CA2131494 A1 GB9318437D D0 US5786416 A ZA9406843 A	04-12-1997 16-03-1995 07-03-1995 20-10-1993 28-07-1998 24-04-1995
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WO02085953	31-10-2002	US6734245 B2	11-05-2004
EP1067164	10-01-2001	CA2311067 A1 DE60011346D D1 JP2001089756 A US6391442 B1 US6764759 B2 US2004161571 A1	08-01-2001 15-07-2004 03-04-2001 21-05-2002 20-07-2004 19-08-2004